



Shandong Obor New Materials Co., Ltd

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Geomembrane Welding Machine-GW900

1.Product description

GW900 geomembrane welding machine adopts advanced hot wedge structure. With its high power, high speed and pressure, it welds 1.0mm-3.0mm thickness hot melting materials such as HDPE,LDPE,PVC,EVA,ECB,PP and other hot melt materials. This machine is specially designed for water conservancy, aquaculture, landfills, chemical mining, sewage treatment, roof constructions and other waterproofing projects.



2.Technical parameter

Brand & Type	GW900 Geomembrane Welding Machine
Certificate	CE \ RoHS
Voltage	220V/110V
Power	1600-2000W
Frequency	50 HZ / 60HZ
Welding Speed	0.5-5m/min
Heating temperature	20-450°C
Thickness of material	1.0mm--3.0mm
Overlap width	12cm

Wedling width	16mmx2, interior cavity 18mm
Seam strength	≥85% base material(tensile resistant in shear direction)
Weight	13kg
Insulation class	Class II
Usage	China geomenbrane wedge wlder
Plug Standard	Euro Plug/ U.S. Plug/Chinese Plug

3.Main Components



GW900

- **Plastic Geomembrane Welding Machine**

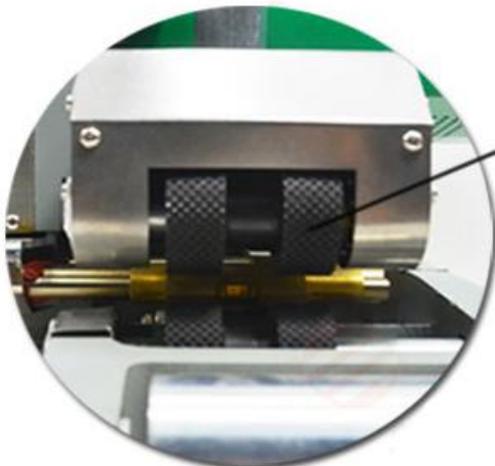
Control System

- Push-button for temperature adjustment;
- Intelligent digital display.



Pressure Rollers

- Special embossed pattern steels pressure rollers;
- Strong pressure force with anti-slip and durable design.



U-shaped Handle

- Multi-direction operation;
- Adopt anti-slip design.



Heating System

- Ultra-high-power hot wedge;
- Unique heating design.



Pressure Control

- T type swivel head design;
- Ensure balance pressure.



4. Operating regulations

- 1.) Use with grounded 3-cord mains cable and 3-hole socket with capacity not less than 10A (socket corresponds with welder plug, phase L connected to live wire, N to zero line, phase to grounded protection liner), confirm that external lines have been well connected. Check that power is on off state and regulate temperature control potentiometer and speed control potentiometer to 0 position, press lever handle down to disengage pressure roller, then insert the plug.
- 2). Turn on the power and select certain temperature and speed, take several narrow materials for try welding. Temperature selection may be different for the same material at different ambient temperature and material thickness. To determine the best welding effect, adjust the speed to approximately 2m/min, and then fine increase it from low to high temperature (approximately 250°C-350°C).
- 3). Flatly and straightly trim the weld edges and frontage faced, with lower left and upper right overlapped. The overlap width is 100mm.
- 4). After temperature and speed have been determined, insert material to be welded between the two pressure rollers, make machine body parallel with edges of base materials and engage press lever handle for proper motion. Generally, only observation of deviation between welding mark and base materials is needed for operator, and timely make correction on small degree.
- 5). When welding will be ended, timely press lever handle to disengage upper and lower pressure roller to prevent rubber wheel damage for long duration.
- 6). Excessive temperature high and low may occur because of thermal inertia. On this condition, temperature deviation may be compensated by speed regulation on a small degree.

5. Packing

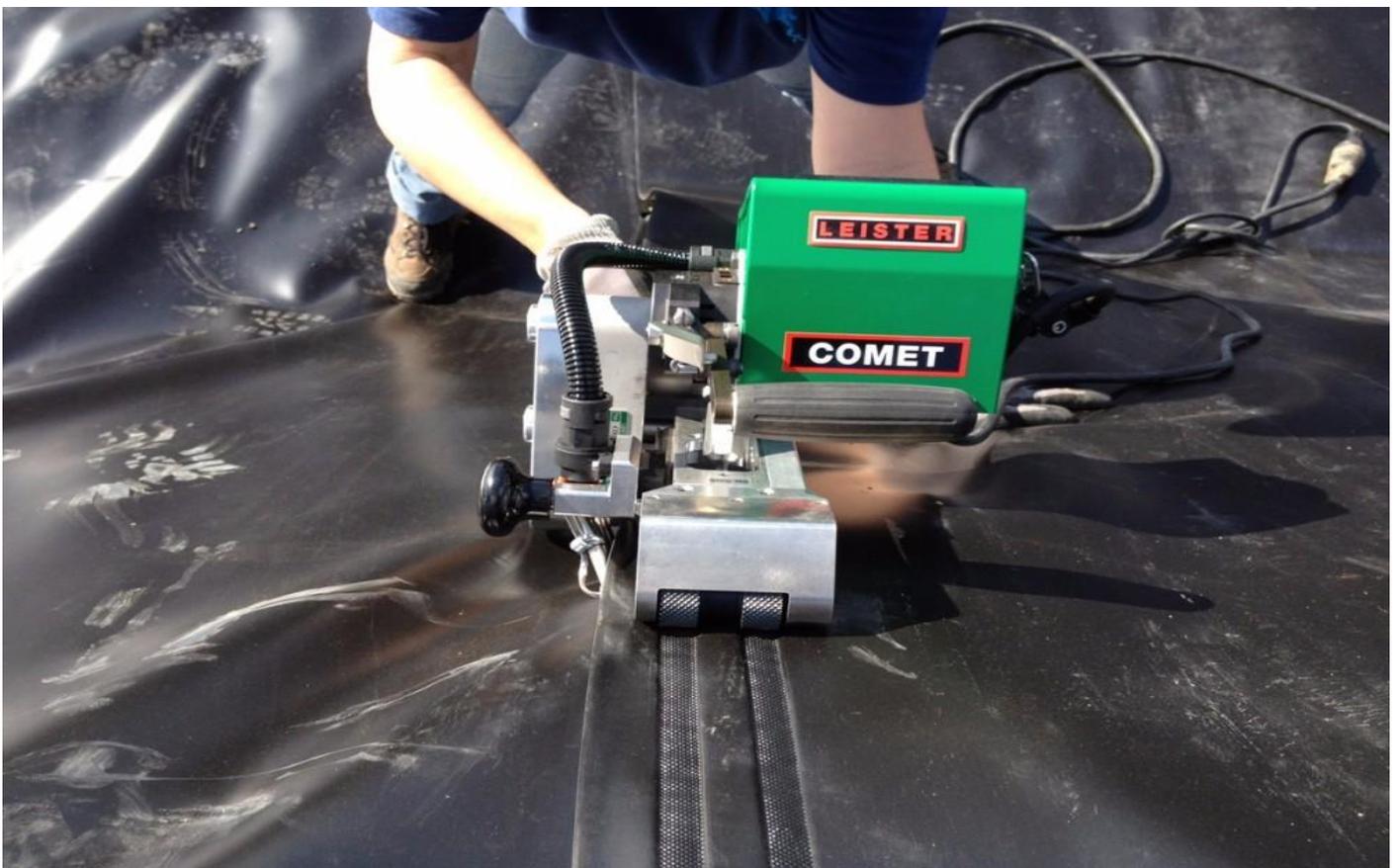


Aluminium packing box

Box Size: 500mm×370mm×410mm

Weight: 18kg

6.Application



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Taian. Shandong. China**